

# CAPITAL IMPROVEMENTS PROGRAM FY 2002

<b>PROJECT TITLE:</b> Emergency Power WTP	<b>PROJECT NUMBER:</b> 936
<b>LOCATION:</b> Water Treatment Plant	Prior Years' Spending as of 1/31/01 \$2,300
<b>DEPARTMENT:</b> Public Works	Prior Years' Budget \$457,700
<b>DIVISION:</b> Water	Unspent as of 1/31/01

**DESCRIPTION:**

This project will provide an emergency power source so the the water treatment plant will be able to continue in operation in the event of a power outage. Automatic switching equipment will transfer the water plant and selected wells to diesel generators.

**JUSTIFICATION:**

The water treatment plant is served by only one source of electrical power. In the event of a power outage, the plant would not be able to function.

**STATUS:**

As of January 1, 2001, the design is underway for a second BGE power supply.

APPROPRIATION SCHEDULE	PRIOR YEARS	CURRENT FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	TOTAL
Land \$								0
Design	25,000							25,000
Construction	350,000							350,000
Inspection	25,000							25,000
Contingency	20,000							20,000
Inflation	10,000							10,000
Overhead	30,000							30,000
Total \$	460,000	0	0	0	0	0	0	460,000

FUNDING SCHEDULE	PRIOR YEARS	CURRENT FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	TOTAL
Bond Funds \$	410,000							410,000
State Grants								0
Operating Funds	50,000							50,000
Total \$	460,000	0	0	0	0	0	0	460,000

**ESTIMATED FISCAL IMPACT ON OPERATING BUDGET:** None

## CAPITAL IMPROVEMENTS PROGRAM FY 2002

<b>PROJECT TITLE:</b>	Water Storage Tank	<b>PROJECT NUMBER:</b>	937
<b>LOCATION:</b>	To Be Determined	Prior Years' Spending as of 1/31/01	\$27,200
<b>DEPARTMENT:</b>	Public Works	Prior Years' Budget	\$2,262,800
<b>DIVISION:</b>	Water	Unspent as of 1/31/01	

### DESCRIPTION:

This project is for a new water tank that will provide two to three million additional gallons of water storage. The location of the new storage facility is dependent upon available land and the hydraulics of the City's water distribution system. If necessary, funds for land acquisition are provided.

### JUSTIFICATION:

The recommended water storage volume for a city of our size is one average day's usage, which is approximately 4.75 million gallons (summer usage average is 6.0 million gallons per day). Currently, we have a usable storage of 2.75 million gallons.

### STATUS:

As of January 1, 1999, site study was completed and project is on hold pending approval of selected site.

APPROPRIATION SCHEDULE	PRIOR YEARS	CURRENT FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	TOTAL
Land \$	420,000							420,000
Design	150,000		50,000					200,000
Construction	1,400,000		1,750,000					3,150,000
Inspection	25,000		25,000					50,000
Contingency	75,000		75,000					150,000
Inflation	50,000		50,000					100,000
Overhead	170,000		100,000					270,000
Total \$	2,290,000	0	2,050,000	0	0	0	0	4,340,000

FUNDING SCHEDULE	PRIOR YEARS	CURRENT FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	TOTAL
Bond Funds \$	2,165,000		2,050,000					4,215,000
State Grants								0
Operating Funds	125,000							125,000
Total \$	2,290,000	0	2,050,000	0	0	0	0	4,340,000

**ESTIMATED FISCAL IMPACT ON OPERATING BUDGET:** This will reduce annual electrical costs at the Water Plant by allowing continuous pumping at a lower rate.

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<b>PROJECT TITLE:</b>	Water Wells No. 10 & 11	<b>PROJECT NUMBER:</b>	941
<b>LOCATION:</b>	Water Treatment Plant	Prior Years' Spending as of 1/31/01	\$6,590
<b>DEPARTMENT:</b>	Public Works	Prior Years' Budget	\$677,410
<b>DIVISION:</b>	Water	Unspent as of 1/31/01	

**DESCRIPTION:**

Includes the design and construction of a seventh and eighth active well at the Annapolis Water Treatment Plant.

**JUSTIFICATION:**

These new wells are necessary to allow the water treatment plant to operate at the expanded 10 MGD capacity. Two 1000 G.P.M. production wells in the Upper Patapsco Formation are recommended for flexibility of water production, maintenance and to resolve siting restrictions related to hydrological considerations.

**STATUS:**

As of January 1, 2001, design is 70% complete with construction in the Summer of 2001.

APPROPRIATION SCHEDULE	PRIOR YEARS	CURRENT FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	TOTAL
Land	\$							0
Design		50,000						50,000
Construction		500,000						500,000
Inspection		50,000						50,000
Contingency		25,000						25,000
Inflation		19,000						19,000
Overhead		40,000						40,000
Total	\$	684,000	0	0	0	0	0	684,000

FUNDING SCHEDULE	PRIOR YEARS	CURRENT FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	TOTAL
Bond Funds	\$	639,000						639,000
State Grants								0
Operating Funds		45,000						45,000
Total	\$	684,000	0	0	0	0	0	684,000

**ESTIMATED FISCAL IMPACT ON OPERATING BUDGET:** Will increase well maintenance costs in future years.

## CAPITAL IMPROVEMENTS PROGRAM FY 2002

<b>PROJECT TITLE:</b>	Water Tank Rehabilitation	<b>PROJECT NUMBER:</b>	985
<b>LOCATION:</b>	Various	Prior Years' Spending as of 1/31/01	\$0
<b>DEPARTMENT:</b>	Public Works	Prior Years' Budget	\$0
<b>DIVISION:</b>	Water	Unspent as of 1/31/01	

**DESCRIPTION:**

Painting of the tanks is a cyclic program and must be expected to repeat on a 7 to 10 year cycle. The next tank painting cycle is expected to be necessary in 2005 and continuing each year through 2008.

**JUSTIFICATION:**

Painting of the tanks is required to maintain water quality and to maintain the tank structure.

**STATUS:**

APPROPRIATION SCHEDULE	PRIOR YEARS	CURRENT FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	TOTAL
Land	\$							0
Design								0
Construction					185,000	220,000	250,000	655,000
Inspection					15,000	18,000	20,000	53,000
Contingency								0
Inflation					6,000	6,500	7,000	19,500
Overhead								0
Total	\$	0	0	0	206,000	244,500	277,000	727,500

FUNDING SCHEDULE	PRIOR YEARS	CURRENT FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	TOTAL
Bond Funds	\$							0
State Grants								0
Operating Funds					206,000	244,500	277,000	727,500
Total	\$	0	0	0	206,000	244,500	277,000	727,500

**ESTIMATED FISCAL IMPACT ON OPERATING BUDGET:** None